

MATERIAL SAFETY DATA SHEET

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SECTION I

MANUFACTURER'S NAME Pursell Industries, Inc.		EMERGENCY TELEPHONE NO. CHEMTREC (800) 424-9300 MANUFACTURER (800) 874-8892
ADDRESS (Number, Street, City, State and Zip Code) PO Box 540 Sylacauga, AL 35150		
CHEMICAL NAME AND SYNONYMS COMPOUND FERTILIZER NPK 21-7-14	TRADE NAME AND SYNONYMS 21-7-14 SUPER GREEN (Fast Acting)	
CHEMICAL FAMILY NITRIC PHOSPHATES	CHEMICAL FORMULA SEE SECTION II BELOW*	
HAZARD CLASS NON-HAZARDOUS	IDENTIFICATION NO. NONE	PLACARD/LABEL REQUIRED NONE

SECTION II - HAZARDOUS INGREDIENTS

TYPICAL ANALYSIS

* AMMONIUM NITRATE (NH₄NO₃) - 57.1%
 CALCIUM PHOSPHATE (CaHPO₄) - 3.2%
 AMMONIUM PHOSPHATE - 9.7%
 CALCIUM FLUORIDE (CaF₂) - 1.0%
 POTASSIUM SULFATE (K₂SO₄) - 27.8%
 PLUS ANTICAKING AGENT - 0.6%
 CONSISTING OF AMORPHOUS SILICA - 0.5%
 MINERAL OIL - 0.04%
 PARAFFIN - 0.0%
 MICRO WAX - 0.01%

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) DECOMPOSES ON HEATING	SPECIFIC GRAVITY (H₂O=1) 1.12 Kg/dm ³
VAPOR PRESSURE (mmHg) N/A	PERCENT VOLATILE BY VOLUME (%) N/A
VAPOR DENSITY (AIR = 1) N/A	EVAPORATION RATE (_____ = 1) N/A
SOLUBILITY IN WATER APPROX. 10% INSOLUBLE IN WATER AT ROOM TEMP.	
APPEARANCE AND ODOR GREY SPHERICAL PRILLS - ODORLESS	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) DECOMPOSING ON HEATING.	FLAMMABLE	LIMITS
EXTINGUISHING MEDIA WATER		
SPECIAL FIRE FIGHTING PROCEDURES FLOOD WITH WATER TO COOL CONTAINERS		
APPROVED SELF-CONTAINED BREATHING APPARATUS FOR FIRE FIGHTERS.		
UNUSUAL FIRE AND EXPLOSION HAZARDS DECOMPOSES ON HEATING TO NITROGEN OXIDES. THE AMMONIUM NITRATE CAN BE AN EXPLOSIVE HAZARD WHEN HEATED		

SUPER GREEN

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

NUISANCE DUST 10 Mg/M³, FLUORINE 1P/M - ACGIH 1992

EFFECTS OF OVER EXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

SKIN CONTACT - WASH WITH SOAP AND WATER. EYE CONTACT - WASH WITH WATER AT LEAST 15 MINUTES. ORAL - DELAY ABSORPTION OF INGESTED NITRATE BY GIVING WATER, MILK OR ACTIVATED CHARCOAL AND THEN REMOVE BY GASTRIC LAVAGE OR EMESIS. MAINTAIN BLOOD PRESSURE. NOT LISTED AS A CARCINOGEN BY OSHA OR NTP.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	NONE

INCOMPATIBILITY (MATERIALS TO AVOID)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	NONE

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

SPREAD ON ARABLE LAND AWAY FROM DRINKING WATER, OR CLEAN SPILL IMMEDIATELY. CONTAIN TO PREVENT ENTRY INTO SEWER OR WATER COURSE.

WASTE DISPOSAL METHOD

SPREAD ON ARABLE LAND AWAY FROM DRINKING WATER, OR PLACE MATERIAL IN DISPOSABLE REGULATIONS. RECLAIM MATERIAL IF PRACTICABLE. CHECK WITH LOCAL HEALTH AUTHORITIES FOR APPROVED DISPOSAL METHOD.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

FILTER RESPIRATOR IN DUSTY ATMOSPHERE, FOR DUST & FLUORIDES

VENTILATION	LOCAL EXHAUST	SPECIAL
OPEN	ADEQUATE TO MOVE DUST	NONE
	MECHANICAL (General)	OTHER
	ADEQUATE TO MOVE DUST	NONE

PROTECTIVE GLOVES	NONE	EYE PROTECTION
		IN NECESSARY FOR DUST

OTHER PROTECTIVE EQUIPMENT

ADEQUATE PERSONAL HYGIENE; DUST PROOF CLOTHING.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

NORMAL DRY BULK WAREHOUSING PRACTICE. PROTECT FROM FIRE.

OTHER PRECAUTIONS

DECOMPOSES ON HEATING TO NITROGEN OXIDES & FLUORINE GAS.

MATERIAL SAFETY DATA SHEET PREPARED: UPDATED 1/31/00